

UNION CARBIDE CORPORATION
Chemicals and Plastics

Texas City, Texas

To: Mr. M. E. Eisenhower
→ Mr. R. L. Frantz
Dr. D. H. Glenn
Mr. D. R. Hutchinson
Mr. J. B. Leverton
Mr. K. E. Ross
Mr. R. W. Sesler

March 3, 1975

Subject: VCM Perimeter Monitoring

Gentlemen:

Attached are data collected February 4, 5 and 14 around the proposed regulated area perimeter. Operating conditions were as follows:

<u>Date</u>	<u>Units Up</u>	<u>Units Down</u>
2-4-75		All
2-5-75	Solvent	Non-Solvent/Suspension
2-14-75	Solvent/ No. Ln. Suspension	Non-Solvent

Data were collected in duplicate.

Sampling sites are indicated on attached maps. Red circles indicate action levels. Blue circles indicate levels above permissible concentration.

As a trend, limited data suggest regulated areas are drawn reasonably. Action levels will include the blocks adjacent and downwind of regulated areas. We recommend that "action level areas" be designated to include blocks adjacent to regulated areas without regard to wind direction for purposes of determining who will be monitored and have medical surveillance, at least, until better control is realized.

Very truly yours,

D. E. Deese

D. E. Deese
Industrial Hygiene Director

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Attachment

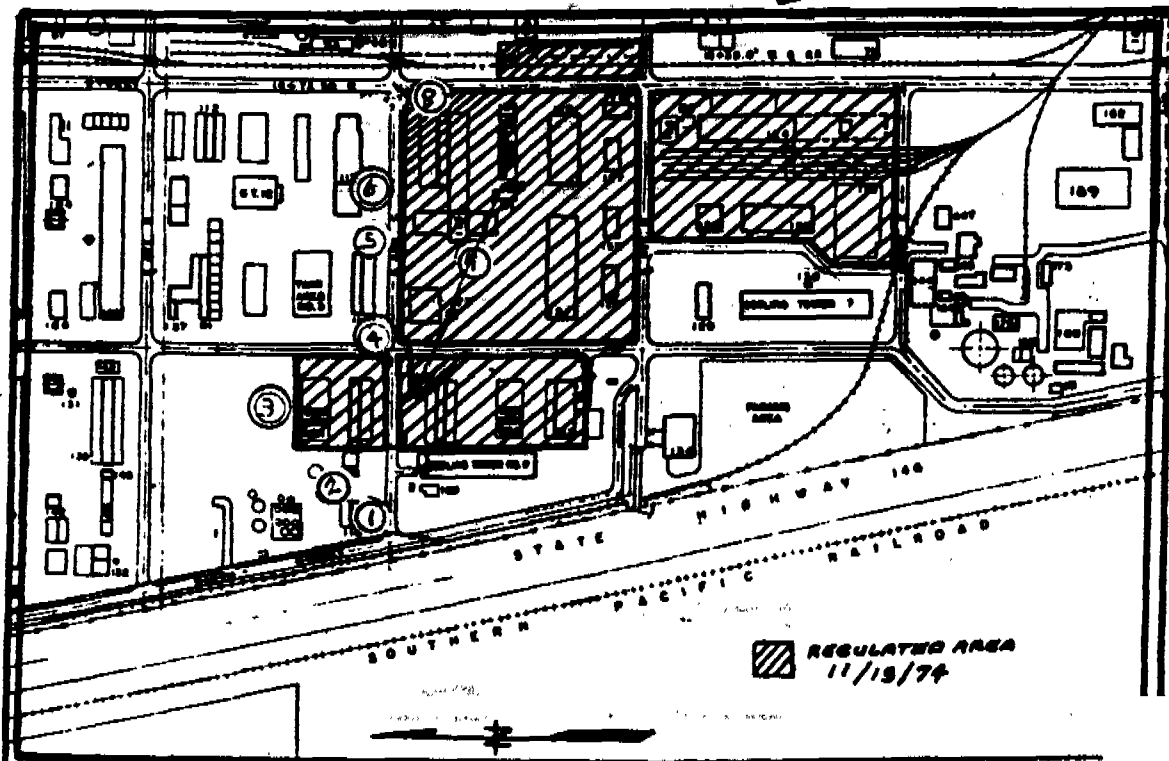
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034007

VCM AREA PERIMETER MONITORING

DATE	LOCATION CODE NO.	TIME ON	TIME OFF	TOTAL TIME MINUTES	TOTAL VOL. LITERS	RPM VCM	TIME Number	REMARKS
2-4-75	1	9:15	11:33	138	6.9	0.20	118	Wind Direction: ESE
"	1	9:15	11:33	138	6.9	0.14	119	
"	2	9:17	11:34	137	6.85	0.45	120	
"	2	9:17	11:34	137	6.85	0.36	121	
"	3	9:18	11:35	137	6.85	0.98*	122	
"	3	9:18	11:35	137	6.85	1.31*	123	
"	4	9:22	11:39	137	6.85	0.86*	125	
"	4	9:22	11:39	137	6.85	1.10*	126	
"	5	9:29	11:43	134	6.70	0.90*	127	
"	5	9:29	11:43	134	6.70	0.44	128	
"	6	9:29	11:44	135	6.75	0.47	129	
"	6	9:29	11:44	135	6.75	1.72*	130	
"	7	9:45	11:47	122	6.10	1.24*	131	
"	7	9:45	11:47	122	6.10	0.59*	132	
"	8	9:46	11:47	121	6.05	0.62*	115	
Note - fuel was used downwind from tank								
2nd - at 9:45 am (day after) it felt like								
it had been blown under & ground level etc.								
At 9-10 AM I have a note that								
the wind had shifted blowing towards								
down the road. See notes re before-								
you need a release from Pilot house.								
→								

WIND ESE
Don't know if they were really moving or not.
I think quite likely my rule is ok.

***Above Action Level**



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— 745 —

11:12 Am

LA FOND SE

Abstract The authors examined the effects of a 12-week, 100% body weight (BW) resistance training program on the body composition and muscle strength of 10 sedentary, middle-aged men. The subjects were divided into two groups: a control group (CON) and an exercise group (EX). The EX group performed a 12-week, 100% BW resistance training program, while the CON group remained sedentary. The EX group showed significant improvements in body composition and muscle strength compared to the CON group. The EX group also showed a significant increase in muscle mass and a decrease in body fat percentage. The EX group also showed a significant increase in muscle strength and a decrease in body fat percentage. The EX group also showed a significant increase in muscle mass and a decrease in body fat percentage.

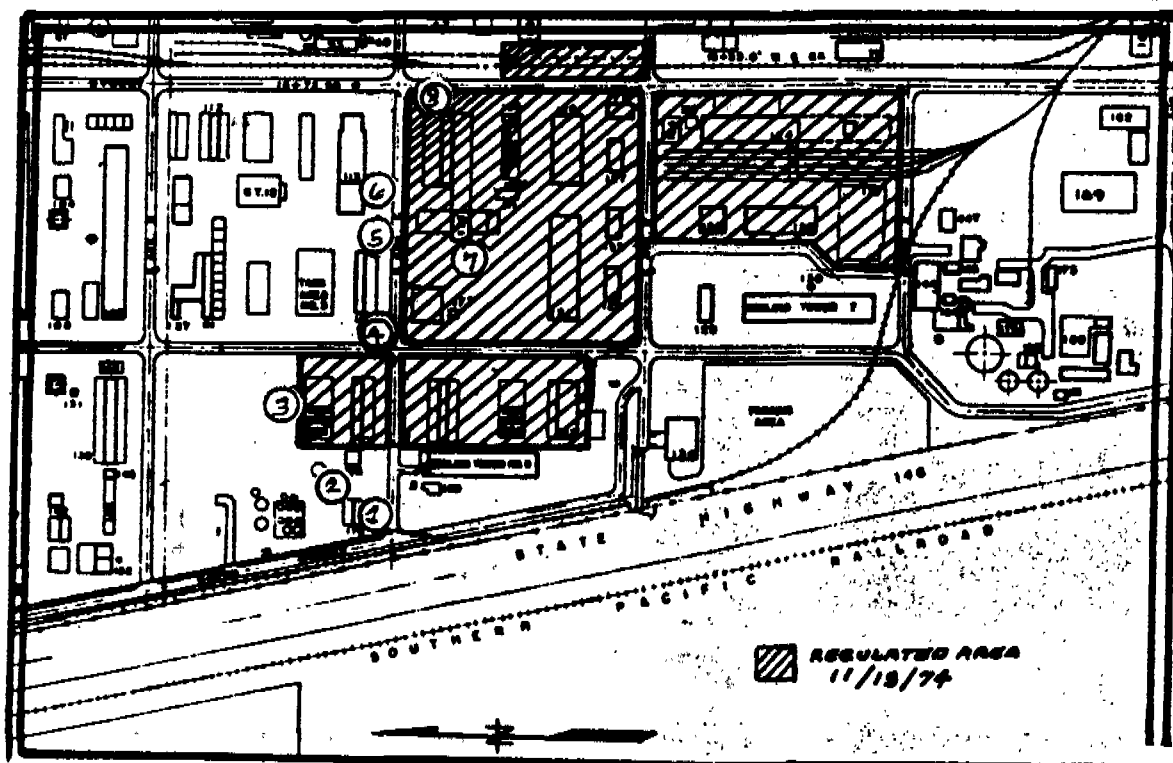


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WATER RESOURCES FERTILIZER MONITORING

[illegible]

***Above Action Level**

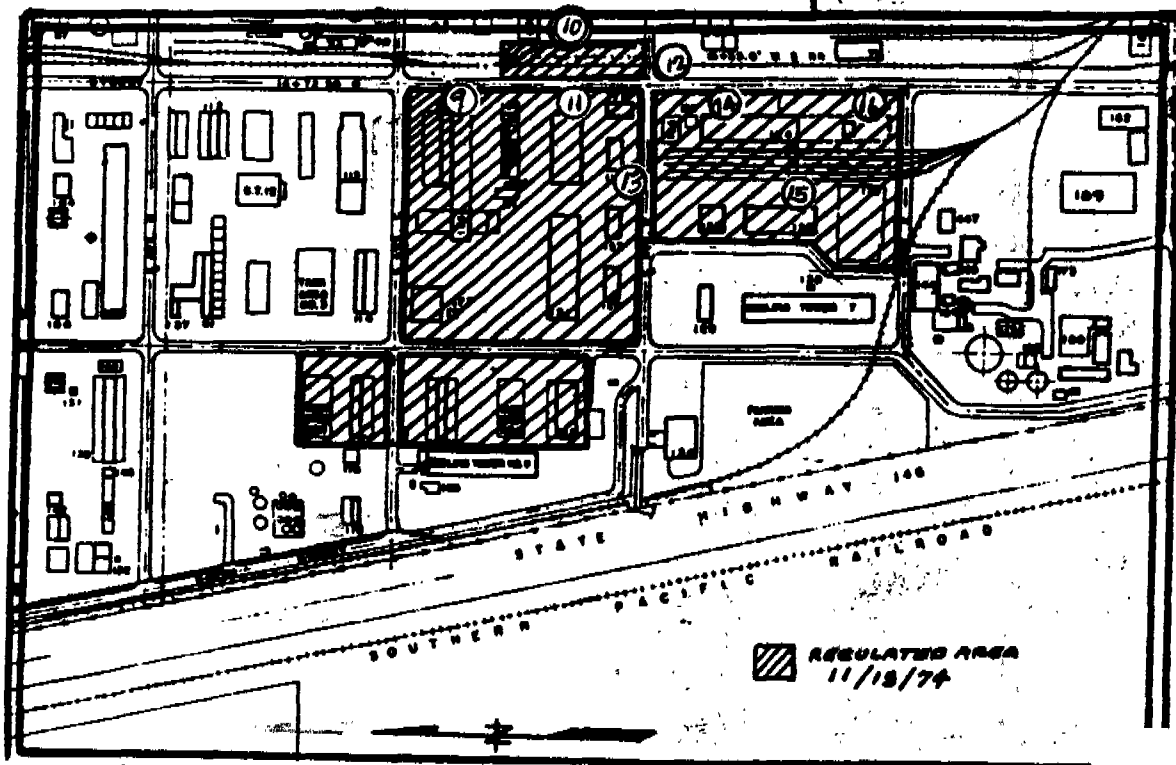


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WILLIAMS COUNTY FIRE MONITORING

[illegible]

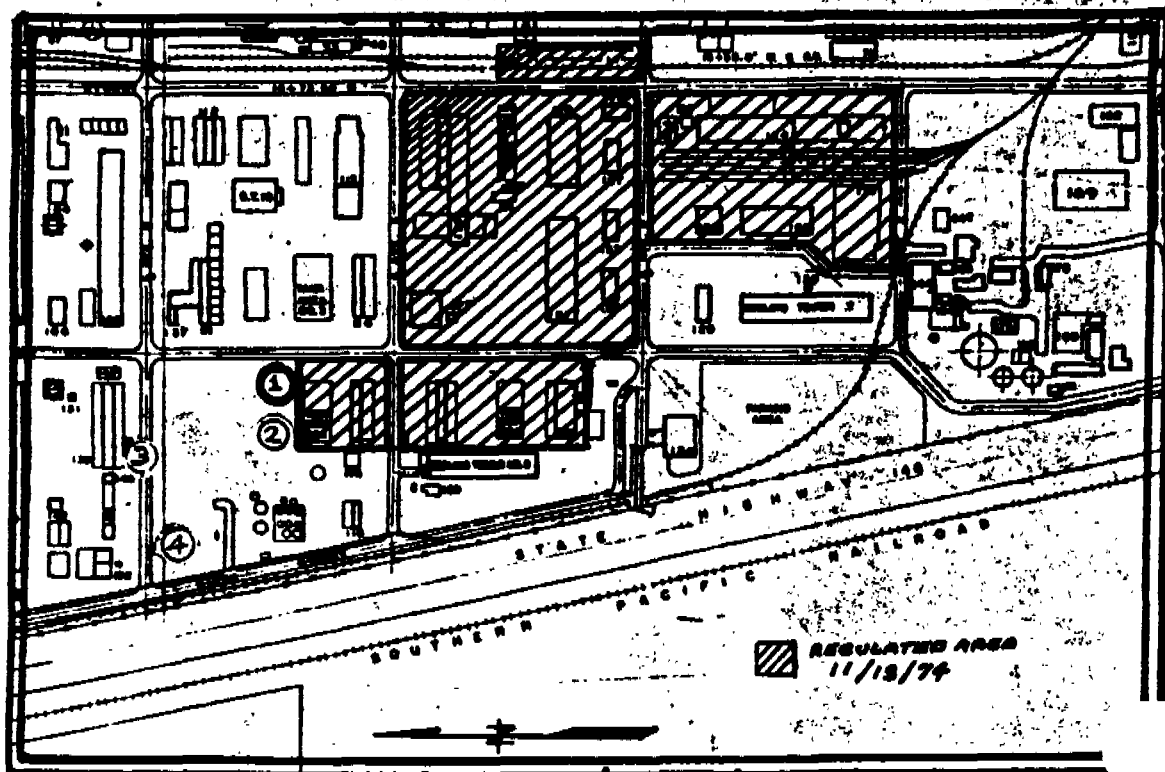
***Above Action Level**



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VCM AREA PERIMETER MONITORING

DATE	LOCATION CODE NO.	TIME ON	TIME OFF	TOTAL TIME MINUTES	TOTAL VOL. LITERS	PAM VCM	Tube Number	REMARKS
2-14-75	1	9:08	11:27	139	6.95	0.5 *	218	Wind Direction: SSE
"	1	9:08	11:27	139	6.95	1.0 *	219	
"	2	9:08	11:27	139	6.95	0.1	222	
"	2	9:08	11:27	139	6.95	0.1	223	
"	3	9:14	11:32	139	6.95	0.0	224	
"	3	9:14	11:32	139	6.95	0.0	225	
"	4	9:14	11:33	139	6.95	0.0	226	
"	4	9:14	11:33	139	6.95	0.0	227	
"	1	11:27	1:40	136	6.8	0.4	228	
"	1	11:27	1:40	136	6.8	1.5 *	229	
"	3	11:27	1:50	133	6.65	0.05	230	
"	2	11:27	1:41	137	6.8	0.3	231	
"	2	11:27	1:41	137	6.8	0.2	232	
"	3	11:32	1:50	133	6.65	0.05	233	
"	4	11:33	1:51	134	6.7	0.00	234	
"	4	11:33	1:51	134	6.7	0.00	235	
"	1	1:40	3:40	120	6.0	0.5 *	236	
"	1	1:40	3:40	120	6.0	1.5 *	237	
"	2	1:41	3:40	119	5.95	1.0 *	238	
"	2	1:41	3:40	119	5.95	1.0 *	239	
"	3	1:50	3:41	111	5.55	0.3	240	
"	3	1:50	3:41	111	5.55	0.2	241	
"	4	1:52	3:42	110	5.5	0.2	242	
"	4	1:52	3:42	110	5.5	0.2	243	
Notes: During 1st period (2nd Shift working on VCM) SSE * Above Action Level								



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